

## CLAIMS

1. A light scattering type particle detector in which particles contained in fluid are irradiated with light, and light scattered by the particles is received so as to detect the  
5 particles, wherein the light is obtained by converting the wavelength of light emitted from a light source with a nonlinear optical crystal.

2. The light scattering type particle detector according to claim 1, wherein the light is reciprocated between a reflecting film of the nonlinear optical crystal and a  
10 mirror, or between a mirror and a mirror, which oppose one another with the particle detecting area interposed therebetween.